

APPLICANT: NUNES VICENTE REBORDÃO, José, Manuel, et al.  
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#### REMARKS

Applicants have carefully studied the Office Action. This paper is intended to be fully responsive to all points of rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application are respectfully requested.

#### Status of the Claims

Claim 1 has been amended. Claims 2-6 have been cancelled. Claims 7-10 have been added. Accordingly, claims 1 and 7-10 are pending in the application.

No new matter has been added.

#### Amendments to the Specification

A new paragraph has been added. Support for this new paragraph can be found, for example, in the original claims of the application as filed. No new matter has been added.

#### Claim Objections

The Examiner objected to claims 1-6 based on informalities.

The Examiner asserted the word "delimitate" should be changed to "delimit." The present amendment to claim 1 overcomes this objection to claim 1, as the word "delimitate" has been deleted.

Claims 2 and 4-6 have been cancelled, and thus the Examiner's objection to those claims is now moot.

The Examiner objected to claim 3, stating that the term "scheimpflug" should be changed to "Schimpflug". Because claim 3 has been cancelled, the Examiner's objection to that claim is now moot. However, claim 1 now contains the term "Scheimpflug" with the "S" capitalized. Applicants respectfully submit that both spellings ( "Schimpflug" and "Scheimpflug"), are used in practice as evidenced for example by the "Scheimpflug principle" entry for Wikipedia (<http://en.wikipedia.org/wiki/Scheimpflug>) and in references to Harold Merklinger's technical books on photography such as "Focusing the View Camera"

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(see, e.g., [www.trenholm.org/hmmerk/#SR](http://www.trenholm.org/hmmerk/#SR)). Therefore, Applicants respectfully submit that any objections based on informality regarding the term "Scheimpflug" have been overcome.

#### **Claim Rejections under 35 USC § 112**

The Examiner rejected claims 2-6 under 35 USC § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. Because claims 2-6 have been cancelled, the Examiner's rejection of those claims is now moot.

New claims 7-10 comply with 35 USC § 112, second paragraph, and include concrete and distinct limitations.

#### **Claim Rejections under 35 USC § 102**

The Examiner rejected claims 1, 4 and 5 under 35 USC § 102(c) as being anticipated by Bloomstein, US Patent Application Publication Number 2002/0149751. Applicants respectfully submit that the rejection of claims 1, 4 and 5 under 35 USC § 102(c) as being anticipated by Bloomstein should be withdrawn.

The Examiner has stated that Bloomstein discloses a holographic lithographic system. Claim 1 as amended recites "an in-plane holography imaging device". Bloomstein fails to disclose "an in-plane holography imaging device" and fails to disclose "an arbitrary number of objects, the images of which when combined, are for building up a final interference pattern," as required by claim 1. Bloomstein does not mention holography or any physical objects being imaged. Without this imaging device, it would be impossible for Bloomstein to "generate interference patterns within selected areas of a photosensitive material ensuring that the surrounding area is not affected by light" as recited in claim 1. Therefore, Bloomstein fails to teach or suggest the "in-plane holography imaging device" or the capability to "generate interference patterns within selected areas of a photosensitive material ensuring that the surrounding area is not affected by light" of claim 1.

The rejections of claims 4-5 are moot in view of their cancellation.

Therefore, Applicants respectfully submit that the rejection of claims 1 and 4-5 under 35 USC § 102(c) as being anticipated by Bloomstein should be withdrawn.

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The Examiner rejected claims 1 and 5 under 35 USC § 102(e) as being anticipated by Hobbs, US Patent Application Publication Number 2001/0035991. Applicants respectfully submit that the rejection of claims 1 and 5 under 35 USC § 102(e) as being anticipated by Hobbs should be withdrawn. The Examiner discussed claim 6 within the context of this rejection, and thus Applicants will address claim 6 here as well.

Claim 1, as amended recites "an in-plane holography imaging device comprising an arbitrary number of objects, the images of which when combined, are for building up a final interference pattern." Hobbs fails to disclose this feature of claim 1. Hobbs is also not capable of generating more than one pattern at a time because, *inter alia*, Hobbs does not disclose any capability to control precisely the shape of the patterns as opposed to the system of Applicants' claim 1. Since Hobbs fails to teach or suggest these features of claim 1, nor would these features of claim 1 be an obvious conclusion from Hobbs' disclosure, Hobbs does not anticipate claim 1.

Applicants respectfully submit that the rejection of claims 5 and 6 is moot in view of its cancellation.

Therefore, Applicants respectfully submit that the rejections of claim 1 and 5 under 35 USC § 102(e) as being anticipated by Hobbs should be withdrawn.

#### New Claims

Applicants have added claims 7-10. Applicants respectfully assert that these claims add no new matter. Each of claims 7-10 depends from claim 1 and is therefore likewise allowable.

#### Conclusion

In view of the foregoing amendment and remarks, and for at least the reasons discussed above, Applicants respectfully submit that claims 1 and 7-10 are deemed to be allowable. Their favorable reconsideration and allowance are respectfully requested.

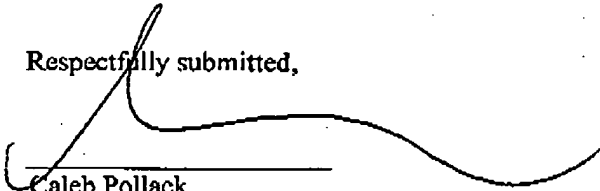
Should the Examiner have any question or comment as to the form, content or entry of this paper, the Examiner is requested to contact the undersigned at the telephone number

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below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

Aside from the fees for the petition for the extension of time, no fees are believed to be due in connection with this paper. If any additional fees are due, please charge any such fees to deposit account No. 50-3355.

Respectfully submitted,



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